Minnie Cui

□+1 608-867-0003 | ■ minnie.cui@wisc.edu | ★ minniehcui.github.io

Education			

University of Wisconsin-Madison, Department of Economics & School of Business

Madison, US

PhD, Economics & Finance

2022 - pres.

• Majors: Industrial Organization, Finance

University of Texas at Austin, Department of Computer Science

Austin, US

MS, DATA SCIENCE

2021 - 2022

• Select courses: Deep Learning, Natural Language Processing, Optimization

University of Toronto, Department of Economics

Toronto, CA

BA Hons., Economics

2014 – 2018

- 2018 Canadian Economics Association Best Undergraduate Paper Award
- Concentration: Specialist in Economics and Minor in Mathematics
- Select courses: Applied Econometrics II, International Finance, Economic Growth

Experience_

Analyst Ottawa, CA

BANK OF CANADA, ECONOMIC AND FINANCIAL RESEARCH DEPARTMENT

2021 – 2022

- Technical Lead for Canadian NielsenIQ Data and primary data modeler for NielsenIQ Homescan's Microsoft Azure Data Lake/SOL storage solution
- Producing research on household consumption, COVID-19 inflation, niche consumption, transition to online transactions using NielsenIQ Homescan
- Research contributor to the Bank's diversity & inclusion in economics project

Research Assistant Ottawa, CA

BANK OF CANADA, ECONOMIC AND FINANCIAL RESEARCH DEPARTMENT

2018 - 2021

- Provided research assistance on publications in the Review of Economic Studies, Journal of Monetary Economics, Economic
 Journal, Canadian Journal of Economics, and more
- Provided statistical analysis, regression analysis, web-scraping, geo-spatial data analysis for various projects led by Governing Council members and the Bank's Senior Research Officers

Research Assistant Toronto, CA

University of Toronto, Factor-Inwentash Faculty of Social Work

2016 - 2020

- Generated various infographics summarizing the findings of publications by the Affirmative Research Collaborative and members of the International Partnership for Queer Youth Resilience
- · Created and maintained the following websites: www.inqyr.org, www.affirmativeresearch.org

Projects -

Canada COVID-19 Tracker | https://mhcui.shinyapps.io/Canada_COVID/

2020 - pres.

R SHINY APPS

- Developed a dashboard that tracks Canadian daily COVID-19 cases, deaths, vaccination rates, government stringency, economic impact, and several dynamic metrics unavailable elsewhere
- Updated daily

Canada Daily Climate Data Set https://github.com/minnzc/Canada_Daily_Climate/

2021 – pres.

PYTHON, GIT

- Created daily Canada average climate conditions (maximum, minimum, and average temperatures, total precipitation, wind gust, and more) by Census divisions and Census subdivisions data sets
- Updated weekly

Publication	ons	
Cui, M. H. , Jia tation]. E	ang, G. Mosweu B. (2021). Swimming in the Data Lake: An application to NielsenIQ Homescan [Paper Presen-Bank for International Settlements IFC Workshop on Data Science in Central Banking.	
	ions other for all listed.	
2022	BIS, IFC Data Science in Central Banking Online	
2021	ISEAPA, North American Productivity Workshop Online	
2018	Canadian Economics Association, CEA Annual Conference Montreal, QC	
Fellowshi	ps, Scholarships, Awards	
2022-2026	Doctoral Fellowship, SSHRC	
2020	Women in Economics Scholarship, Bank of Canada	
2018	Best Undergraduate Paper, Canadian Economics Association The Regents Participation Awards, University of Toronto	
2017	Richard Iorweth Thorman Bursary, University of Toronto Kathleen Watson Memorial Award, University of Toronto	
2016	The William and Margaret Wilson Bursary, University of Toronto Hosinec Family Scholarship, University of Toronto President's Scholar Program Scholarship, University of Toronto	
Technical	Skills	
Analysis Languages Developer Softwares Create data	eges Python, Matlab, R, SQL, HTML/CSS Oper Git, Microsoft Azure, Google Cloud Platform, Amazon Web Services, VS Code, Anaconda, PyCharm	
Citizenshi	ip & Language Proficiency	
Citizenship Languages	Canada English (native), Mandarin (native), French (fluent)	